

The following were developed by Rutgers University, New Jersey Agr. Exp. Sta., New Brunswick, New Jersey 08903, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589140. *Malus domestica* Borkh.

Britemac. Pedigree - Melba x Kildare. Cross made in 1934 by M.A. Blake (1882-1947); selected in 1942; introd. in 1964. Comments:: Fruit: medium to large; slightly oblate; skin striped and blushed, colors better than McIntosh, very attractive, resembles Cortland in appearance and shape, sometimes becoming russeted; flesh white, juicy, crisp, similar to McIntosh and Cortland; flavor mildly subacid, slightly aromatic; apparently not well adapted for processing; high dessert quality, as good as or better than, McIntosh; hangs better on tree than McIntosh in central N.J.; primarily of local value (NJ & PA) Tree: considered to be very hardy; strong, spreading; bears well; blooms midseason; pleasant eating quality.

The following were developed by Fred L. Ashworth, Heuvelton, New York, United States. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589141. *Malus domestica* Borkh.

Autumn Arctic. Pedigree - Arctic x Northern Spy. Comments:: Fruit: large, 65070 mm; 50% skin red, green ground; color pattern striped, not attractive; shape round conic; flesh soft, cream-colored; flavor subacid; eating quality fair; harvest season mid-September, 4 wks before Delicious, ripens unevenly; fruits drop from tree as they ripen. Tree: productive, presumed hardy. Use: no commercial value. Worthless.

The following were donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589142. *Malus domestica* Borkh.

Cherry Cox. Pedigree - Red-fruited mutation of Cox.

PI 589143. *Malus domestica* Borkh.

Rouge Belle de Boskoop. Pedigree - Red-fruited mutation of Belle de Boskoop. PI 199650 received 1952 from Delbar D Nurseries, Paris, France. Comments:: Fruit and tree indistinguishable from Belle de Boskoop, except fruit somewhat redder; triploid (J.Am. Soc. Hort. Sci 103:690. 1978). Red-fruited mutation of Belle de Boskoop.

The following were developed by Charlotte Pratt. Donated by Roger D. Way, Cornell University, New York State Agric. Exp. Station, Department of Horticulture, Geneva, New York 14456-0462, United States. Received 06/24/1985.

PI 589144. *Malus domestica* Borkh.

Welday Jonathan 4X. Pedigree - Welday Jonathan bud mutation; originated 1958. Comments:: Welday Jonathan treated with Thermal Neutrons to produce a Tetraploid. Tetraploid Welday Jonathan. R.D. Way, 1993.

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